

ABSTRACT OF THE DISCLOSURE

A rack-and-pinion steering apparatus comprises pinion teeth
5 formed according to proper tooth specifications in other aspects
under a larger pressure angle, thereby stably offering smooth and
comfortable steering feeling over a long time. The module (m),
number of teeth (z), tooth depth(h) and helix angle (β) of the pinion
teeth (4) are set within the following ranges, under a pressure angle
10 (α) set within a range of 24° to 30° and a given stroke ratio.

module (m): 1.8 to 2.0

number of teeth (z): 7 to 13

tooth depth (h): $2m$ to $2.5m$

helix angle (β): 35° or smaller